

METHOD, COMPUTER PROGRAM, AND SYSTEM FOR AUTOMATED REAL-TIME SIGNAL ANALYSIS FOR DETECTION, QUANTIFICATION, AND PREDICTION OF SIGNAL CHANGES

Patent number: EP1292900

Publication date: 2003-03-19

Inventor: NIKITIN ALEXEI V (US); FREI MARK G (US);
BHAVARAJU NARESH C (US); OSORIO IVAN (US)

Applicant: FLINT HILLS SCIENT L L C (US)

Classification:

- international: G06F17/18; G06F17/18; (IPC1-7): G06F17/13;
G06F17/14

- european: G06F17/18

Application number: EP20010923052 20010403

Priority number(s): WO2001US10677 20010403; US20000194130P
20000403

Also published as:

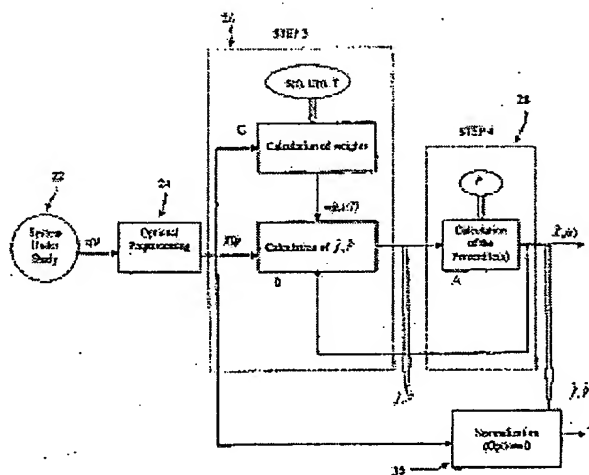
WO0175660 (A1)

Report a data error here

Abstract not available for EP1292900

Abstract of correspondent: WO0175660

A method and system for real-time signal analysis providing characterization of temporally-evolving densities and distributions (26) of signal features of arbitrary-type signals (22) in a moving time window by tracking output of order statistic filters (28). (also known as percentile, quantile, or rank-order filters). Given a raw input signal of arbitrary type, origin, or scale, the present invention enables automated quantification and detection of changes in the distribution of any set of quantifiable features of that signal as they occur in time. Furthermore, the present invention's ability to rapidly and accurately detect changes in certain features of an input signal can also enable prediction in cases where the detected changes associated with an increased likelihood of future signal changes.



Data supplied from the esp@cenet database - Worldwide